

IN THE CLAIMS

Please amend the claims, as follows:

1. (Currently amended) An image forming method comprising ~~the steps of:~~
developing an electrostatic latent image formed on an image carrier with a developing device into a toner image using toners;
transferring said toner image onto a recording medium; and
fixing said toner image transferred onto said recording medium to thereby form a recorded image on a recording sheet;
wherein said latent image is developed with said developing device by first and second developing rollers disposed along the moving direction of said image carrier and rotatable in the mutually opposite directions using a two-component magnetic developing agent ~~consisting mainly of including~~ toners and magnetic carriers, and said toners are supplied to said latent image on said image carrier by said first and second developing rollers, ~~and~~
wherein the moving direction of said first developing roller is opposite to the moving direction of said image carrier in a developing area, and a peripheral speed ratio ($S1 = Vm1 / Vp$) between the peripheral speed ($Vm1$) of said first developing roller and the peripheral speed (Vp) of said image carrier is set in the range of 0.8 - 2.0; ~~and~~
wherein the moving direction of said second developing roller is the same as the moving direction of said image carrier in a developing area, and a peripheral speed ratio ($S2 = Vm2 / Vp$) between the peripheral speed ($Vm2$) of said second developing roller and the peripheral speed (Vp) of said image carrier is set in the range of 1.05 - 2.0; ~~and~~
~~in case where the~~ wherein a plurality of shape coefficients $SF1$, $SF2$ of said toners of said

two-component magnetic developing agent ~~consisting mainly of~~ including toners and magnetic carriers are respectively defined according to the following expressions (1) and (2),

$$SF1 = (\text{maximum length of diameter})^2 / (\text{area of toner particle}) \times \pi / 4 \times 100 \quad \text{--- (1)}$$

$$SF2 = (\text{peripheral length of projected image})^2 / (\text{area of toner particle}) \times 100 / 4 \pi \quad \text{--- (2)},$$

said shape coefficients SF1, SF2 ~~can~~ respectively satisfy satisfying the following conditions:

$$120 \leq SF1 \leq 170$$

$$110 \leq SF2 \leq 130.$$

2. (Currently amended) An image forming method comprising ~~the steps of~~
developing an electrostatic latent image formed on an image carrier with a developing device into a toner image using toners;
transferring said toner image onto a recording medium; and
fixing said toner image transferred onto said recording medium to thereby form a recorded image on a recording sheet;

wherein said latent image is developed with said developing device by at one or more sets of first and second developing rollers disposed along the moving direction of said image carrier and rotatable in the mutually opposite directions using a two-component magnetic developing agent ~~consisting mainly of~~ including toners and magnetic carriers, and said toners are supplied to said latent image on said image carrier by said one or more sets of first and second developing rollers; and

wherein the moving direction of said first developing roller is opposite to the moving direction of said image carrier in a developing area, and a peripheral speed ratio ($S1 = Vm1 / Vp$) between the peripheral speed ($Vm1$) of said first developing roller and the peripheral speed (Vp)

of said image carrier is set in the range of 0.8 - 2.0; and,

wherein the moving direction of said second developing roller is the same as the moving direction of said image carrier in a developing area, and a peripheral speed ratio ($S2 = Vm2 / Vp$) between the peripheral speed ($Vm2$) of said second developing roller and the peripheral speed (Vp) of said image carrier is set in the range of 1.05 - 2.0; and,

~~in case where~~ wherein the shape coefficients SF1, SF2 of said toners of said two-component magnetic developing agent ~~consisting mainly of including~~ toners and magnetic carriers are defined according to following expressions (1) and (2),

$$SF1 = (\text{maximum length of diameter})^2 / (\text{area of toner particle}) \times \pi / 4 \times 100 \quad \text{---}$$

(1)

$$SF2 = (\text{peripheral length of projected image})^2 / (\text{area of toner particle}) \times 100 / 4 \pi \quad \text{--- (2),}$$

said shape coefficients SF1, SF2 ~~can~~ respectively satisfy satisfying the following conditions:

$$120 \leq SF1 \leq 170$$

$$110 \leq SF2 \leq 130.$$

Please add the following new claims:

3. (New) The image forming method of claim 1, wherein the peripheral speed ratio S1 exceeds 2.0.
4. (New) The image forming method of claim 1, wherein the peripheral speed ratio S2 exceeds 2.0.
5. (New) The image forming method of claim 1, wherein said toners comprise particle

diameters of 6 - 12 μm .

6. (New) The image forming method of claim 1, wherein said using a two-component magnetic developing agent comprises using a magnetic carrier that includes iron-powder-system carriers, ferrite-system carriers, and magnetite-system carriers,

wherein particle diameters of the carriers range from 50 - 150 μm .

7. (New) The image forming method of claim 2, wherein the peripheral speed ratio S1 exceeds 2.0.

8. (New) The image forming method of claim 2, wherein the peripheral speed ratio S2 exceeds 2.0.

9. (New) The image forming method of claim 2, wherein said toners comprise particle diameters of 6 - 12 μm .

10. (New) The image forming method fo claim 2, wherein said using a two-component magnetic developing agent comprises using a magnetic carrier that includes iron-powder-system carriers, ferrite-system carriers, and magnetite-system carriers,

wherein particle diameters of the carriers range from 50 - 150 μm .

11. (New) An image forming apparatus, comprising:

a rotatable image carrier with a photoconductive characteristic;

an electric charger on the periphery of said image carrier for uniformly charging said image carrier;

a light beam for forming an electrostatic latent image on said image carrier; and

a developing device comprising a first developing roller and a second developing roller for developing said electrostatic latent image to form a toner image on said image carrier,

wherein said latent image is developed by said first and second developing rollers disposed along a moving direction of said image carrier and rotatable in mutually opposite directions using a two-component magnetic developing agent including toners and magnetic carriers, said toners being supplied to said latent image on said image carrier by said first and second developing rollers,

wherein a circular shape of a particle of said toners is elongated along an axis, and

wherein a peripheral shape of said toner particle is formed unevenly.

12. (New) The image forming apparatus of claim 11, wherein a moving direction of said first developing roller is opposite to a moving direction of said image carrier, and

a peripheral speed ratio ($S1 = Vm1 / Vp$) between the peripheral speed ($Vm1$) of said first developing roller and the peripheral speed (Vp) of said image carrier is set in the range of 0.8 - 2.0.

13. (New) The image forming apparatus of claim 11, wherein the moving direction of said second developing roller is the same as the moving direction of said image carrier, and

a peripheral speed ratio ($S2 = Vm2 / Vp$) between the peripheral speed ($Vm2$) of said second developing roller and the peripheral speed (Vp) of said image carrier is set in the range

of 1.05 - 2.0.

14. (New) The image forming apparatus of claim 12, wherein the peripheral speed ratio S1 exceeds 2.0.

15. (New) The image forming apparatus of claim 13, wherein the peripheral speed ratio S2 exceeds 2.0.

16. (New) The image forming apparatus of claim 11, further comprising:
a developing agent distributing member that delivers a two-component magnetic developing agent, said agent comprising a magnetic carrier that includes iron-powder-system carriers, ferrite-system carriers, and magnetite-system carriers,
wherein particle diameters of the carriers range from 50 - 150 μm .

17. (New) The image forming apparatus of claim 11, wherein said toners comprise particle diameters of 6 - 12 μm .

18. (New) The image forming apparatus of claim 13, wherein the peripheral speed ratio S2 exceeds 3.5.

19. (New) The image forming apparatus of claim 11, wherein a shape coefficient SF1 of said toner is respectively defined according to

$$\text{SF1} = (\text{maximum length of diameter})^2 / (\text{area of toner particle}) \times \pi / 4 \times 100, \text{ and}$$

said shape coefficient SF1 satisfies the following condition:

$$120 \leq SF1 \leq 170.$$

20. (New) The image forming apparatus of claim 11, wherein a shape coefficient SF2 of said toner is defined according to

$$SF2 = (\text{peripheral length of projected image})^2 / (\text{area of toner particle}) \times 100 / 4 \pi, \text{ and}$$

said shape coefficient SF1 satisfies the following condition:

$$110 \leq SF2 \leq 130.$$
